### PATENT COOPERATION TREATY

INTERNATIONAL SEARCHING AUTHORITY		RECEIVED 1 2 JAN 2005			
To:					
XX 1C 1 C C			PCT		
Halford & Co. No 1 Market Street		·			
SYDNEY NSW 2000			TTEN OPINION OF THE		
		INTERNATIONAL SEARCHING AUTHORITY			
		(PCT Rule 43bis.1)			
		Date of mailing (day/month/year)	1 2 JAN 2005		
Applicant's or agent's file reference		FOR FURTHER ACTION			
C04127	101:	See paragraph 2 below			
International application No. PCT/AU2004/001420	International filing date 15 October 2004	c (day/month/year)	Priority date (day/month/year)		
International Patent Classification (IPC) or		ation and TPC	17 October 2003		
Int. Cl. <sup>7</sup> A61M 16/00	·				
Applicant					
RESMED LIMITED et al					
1. This opinion contains indications relat	ing to the following ite	ems:	·		
X Box No. I Basis of the opinion					
Box No. II Priority					
	Lack of unity of invention				
citations and explanations supporting such statement			arventive step or industrial application,		
Box No. VI Certain documents cited					
Box No. VII Certain defects in the international application					
X Box No. VIII Certain observations on the international application					
2. FURTHER ACTION					
	examination is made, thi	s opinion will be conside	ered to be a written opinion of the International		
Preliminary Examining Authority ("IPEA	A") except that this does n tified the International Bu	ot apply where the appli	cant chooses an Authority other than this one to (b) that written opinions of this International		
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form					
PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  For further options, see Form PCT/ISA/220.					
			,		
3. For further details, see notes to Form PCT/IS	SA/220.				
Name and mailing address of the IPEA/AU  Authorized Officer					
AUSTRALIAN PATENT OFFICE					
PO BOX 200, WODEN ACT 2606, AUSTRALIA  E-mail address: pct@ipaustralia.gov.au		SUE THOMAS			
Facsimile No. (02) 6285 3929		Telephone No. (02) 6283 2454			

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

INTERPREC'S TO THE PROPERTY OF THE PROPERTY OF

PCT/AU2004/001420

Во	x No. I	Basis of the opinion	n .				
1.	With regar	d to the language, the as filed, unless other	is opinion has been esta vise indicated under thi	ablished on the bas s item.	is of the intern	ational application in t	he language in
	me ic	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).					s of
2.	With regar claimed in	d to any nucleotide a vention, this opinion l	nd/or amino acid sequal nas been established on	uence disclosed in the basis of:	the internation	al application and nec	essary to the
	a. type of	material					
	<u>-</u>	sequence listing				•	
	_	able(s) related to the	sequence listing				
	b. format	of material					
		n written format		٠.	•		
	<u>.</u>	n computer readable i	form .		·		
	c. time of	filing/furnishing					
	c	ontained in the intern	ational application as fi	iled.			
			international application				
	fi	ırnished subsequently	to this Authority for the	ne purposes of sear	ch.	•	
3.	THEU O	i immsnea, me requi	more than one version ed statements that the	information in the	subsequent or	additional coniec is ide	to has been
	in the	application as filed or	does not go beyond the	e application as fil	ed, as appropri	iate, were furnished.	
4.	Additional of	comments:	•			•	
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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

Box No. IV	Lack of unity of the state of		PCT/AU2004/001420
1. X In r	Lack of unity of invention		
1. X In r	esponse to the invitation (Form PC	CT/ISA/206) to pay additional fees the	applicant has:
X	paid additional fees	·	
	paid additional fees under protest		
	not paid additional fees		•
2. This appli	Authority found that the requirement to pay additional fees.	ent of unity of invention is not compli	ed with and chose not to invite the
		of unity of invention in accordance w	
comp	olied with		ith Rule 13.1, 13.2 and 13.3 is
X not co	omplied with for the following reas	sons:	
This Internation	al Searching Authority found m	nultiple inventions in this internation	
Claims 1-46 rela	ite to a method and apparatus fo	or detecting reflex vocal cord closu	onal application as follows:
viginis 4/-0/ [6]	late to a method and apparatus fition and pressure of gas delivery	C •	re  ning heart treatment index as a
laims 68-91 rela	ate to a method and apparatus for the cardiac rhythm of the pati		ing a cardiac pressure waveform
laims 92-178 re	late to a method and apparatus	for evaluating heart failure from the	
man the 1 a	ature held in common by the co	to evaluating neart failure from the	ne airflow of the patient
		the claims is the delivery of contro tment, a lack of unity exists a poste	
the patient whi	ch is common to all CPAP treat	the claims is the delivery of contro	lled above atmospheric pressure g
Consequently, thi	ch is common to all CPAP treat		lled above atmospheric pressure g
the patient whi	ch is common to all CPAP treat	the claims is the delivery of contro	lled above atmospheric pressure g

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/001420

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement				
Novelty (N)	Claims 9, 10, 12, 14, 16, 18, 25, 29, 31-33, 37, 38, 40, 42, 44-46, 53, 60, 67, 71-75, 79-83, 87-91, 95, 98, 99, 105-115, 117, 119-120, 124, 127, 128, 130, 134-144, 146, 148, 149, 153, 156, 157, 159, 163-173, 175, 177, 178	YES		
	Claims 1-8, 11, 13, 15, 17, 19-24, 26-28, 30, 34-36, 39, 41, 43, 47-52, 54-59, 61-66, 68-70, 76-78, 84-86, 92-94, 96, 97, 100-104, 116, 118, 121-123, 125, 126, 129, 131-133, 145, 147, 150-152, 154, 155, 158, 160-162, 174, 176	NO		
Inventive step (IS)	Claims 9, 10, 12, 14, 16, 18, 25, 29, 31-33, 37, 38, 40, 42, 44-46, 53, 60, 67, 71-75, 79-83, 87-91, 95, 98, 99, 105-115, 117, 119-120, 124, 127, 128, 130, 134-144, 146,148, 149, 153, 156, 157, 159, 163-173, 175, 177, 178	YES		
	Claims 1-8, 11, 13, 15, 17, 19-24, 26-28, 30, 34-36, 39, 41, 43, 47-52, 54-59, 61-66, 68-70, 76-78, 84-86, 92-94, 96, 97, 100-104, 116, 118, 121-123, 125, 126, 129, 131-133, 145, 147, 150-152, 154, 155, 158, 160-162, 174, 176	NO		
Industrial applicability (IA)	Claims 1-178	YES		
·	Claims	NO		

2. Citations and explanations:

D1 GB 2294642

D4 WO 1989/009041

D7 US 5188098

D10 US 2003/0121519

D13 US 5794615

D2 WO 2000/067827

D5 US 2002/0169384

D8 WO 2002/026283

D11 EP 1295623

D3 US 5353788

D6 WO 1997/030744

D9 WO 1999/061088

D12 WO 1999/045989

NOVELTY (N) Claims 1-8, 11, 13, 15, 17, 19-24, 26-28, 30, 34-36, 39, 41, 43, 47-52, 54-59, 61-66, 68-70, 76-78, 84-86, 92-94, 96, 97, 100-104, 116, 118, 121-123, 125, 126, 129, 131-133, 145, 147, 150-152, 154, 155, 158, 160-162, 174, 176

Claims 1-8, 11, 13, 15, 17, 19-24, 26-28, 30, 34-36, 39, 41, 43,

The features of each of the above listed claims are provided by GB 2294642. For example the features of claim 1 are provided as follows:

Delivering a controlled supply of above atmospheric pressure gas to patient

Deriving measure indicative of vocal cord closure

Page 1

Pages 2 and 5-7

Detecting incident of vocal cord closure as function of said measure

Pages 2 and 5-7

Claims 47, 49-52, 54-59, 61-66 - All the features of each of these claims are provided by D2 similarly to the above. All the features of each of claims 47, 54 and 61 are also provided by each of D3, D4 and D5. All the features of each of claims 49, 55, 56, 62 and 63 are also provided by D5.

Claim 48 - All the features of claim 48 are provided by D5.

Claims 68, 76, 84 - All the features of each of these claims are provided by D4, D6 and D7.

Claims 69, 70, 77, 78, 85, 86 - All the features of each of these claims are provided by D4.

Claims 92, 121, 150 - All the features of each of these claims are provided by D2, D8, D9, D10, D11, D12, and D13

Claims 93, 122, and 151 - All the features of each of these claims are provided by D8, D9 and D11

Claims 94, 96, 123, 125, 126, 152, 154, 155, - All the features of each of these claims are provided by D2, D8 and D9

Claim 97 - All the features of this claim are provided by D2 and D8

Claims 100, 103, 116, 129, 145, 158, 174 – All the features of each of these claims are provided by D8 and D9

Claims 101, 102 - All the features of each of these claims are provided by D9

Claims 104, 118, 131-133, 147, 160-162, 176 - All the features of each of these claims are provided by D8

INVENTIVE STEP (IS) Claims 1-8, 11, 13, 15, 17, 19-24, 26-28, 30, 34-36, 39, 41, 43, 47-52, 54-59, 61-66, 68-70, 76-78, 84-86, 92-94, 96, 97, 100-104, 116, 118, 121-123, 125, 126, 129, 131-133, 145, 147, 150-152, 154, 155, 158, 160-162, 174, 176

Since these claims lack novelty, they also lack inventive step.

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## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

Box No. VIII

International application No.

PCT/AU2004/001420

Box No. VIII	Certain observations on the international application	
The following ob supported by the	eservations on the clarity of the claims, description, and drawings or on the description, are made:	ne question whether the claims are fully

Claims 52, 59 and 66 are not clear because there is no antecedent to the words "said amplitude".